

We claim:

1. A vehicular interior rearview memory mirror system, said interior rearview memory mirror system comprising:
  - an interior rearview mirror assembly;
  - said interior rearview mirror assembly comprising a mirror casing having a reflective element with a rearward field of view;
  - said interior rearview mirror assembly further comprising a support being adapted to mount said mirror assembly to a vehicle; and
  - an electrical actuator located interiorly of said mirror casing, said electrical actuator cooperating with said support to provide adjustment of said mirror casing about said support when said electrical actuator is actuated to thereby provide adjustment of said rearward field of view of said reflective element about one or more axes when said actuator is actuated.
2. The vehicular interior rearview memory mirror system according Claim 1, wherein said reflective element is supported by said mirror casing.
3. The vehicular interior rearview memory mirror system according to Claim 1, wherein said mirror casing includes a first compartment for said reflective element and a second compartment for housing said actuator.
4. The vehicular interior rearview memory mirror system according to Claim 3, wherein said support extends into said second compartment, said actuator pivoting said casing and said reflective element about said support when actuated.
5. The vehicular interior rearview memory mirror system according to Claim 4, wherein said actuator is mounted to said casing in said second compartment and engages said support whereby said actuator pivots said casing and said reflective element about said support.

6. The vehicular interior rearview memory mirror system according to Claim 1, wherein said support comprises a dual ball mount support arm, said dual ball mount support arm providing manual adjustment of said mirror casing about one or more axes.
7. The vehicular interior rearview memory mirror system according to Claim 1, wherein said reflective element comprises a prismatic reflective element.
8. The vehicular interior rearview memory mirror system according to Claim 1, wherein said reflective element comprises a variable reflectance element.
9. The vehicular interior rearview memory mirror system according to Claim 1, wherein said mirror casing comprises a generally cup-shaped mirror casing.
10. The vehicular interior rearview memory mirror system according to Claim 1, wherein said support is adapted to mount said mirror assembly to a windshield.
11. The vehicular interior rearview memory mirror system according to Claim 1, wherein said support is adapted to mount said mirror assembly to a header.
12. The vehicular interior rearview memory mirror system according to Claim 1, wherein said mirror casing includes a wall, said reflective element being spaced from said wall of said mirror casing to thereby define a cavity therebetween for containing one or more electrical components.
13. The vehicular interior rearview memory mirror system according to Claim 12, wherein said actuator is supported by said wall.
14. A vehicular interior rearview memory mirror system comprising:
  - an interior rearview mirror assembly;
  - said interior rearview mirror assembly comprising a mirror casing having a reflective element with a rearward field of view;

5                   said interior rearview mirror assembly further comprising a support being adapted to mount said mirror assembly to a vehicle, said mirror casing being fixed relative to said support; and

                  an electrical actuator located interiorly of said mirror assembly, said electrical actuator cooperating with said reflective element to provide adjustment of said reflective  
10   element when said electrical actuator is actuated to thereby provide adjustment of said rearward field of view of said reflective element about one or more axes when said actuator is actuated.

15.               The vehicular interior rearview memory mirror system according to Claim 14, wherein said actuator supports said reflective element in said casing.

16.               The vehicular interior rearview memory mirror system according to Claim 14, wherein said support comprises a tubular member, said tubular member being adapted to mount to a vehicle windshield or a header.

17.               The vehicular interior rearview memory mirror system according to Claim 16, wherein said tubular member defines a passageway, said memory mirror system further comprising at least one electrical device, and said device being housed in said passageway.

18.               The vehicular interior rearview memory mirror system according to Claim 14, further comprising a housing, said housing forming said mirror casing and said support.

19.               The vehicular interior rearview memory mirror system according to Claim 18, wherein said actuator includes an actuator housing, at least a portion said actuator housing being positioned in said mirror casing.

20.               The vehicular interior rearview memory mirror system according to Claim 14, wherein said actuator is coupled to at least one control module of a mirror memory system.

21.               The vehicular interior rearview memory mirror system according to Claim 20, wherein said at least one control module comprises a mirror-based control module, said mirror-based control module positioned in said interior of said support, said mirror-based

control module for coupling to a vehicle-based control module of said memory mirror  
5 system.

22. The vehicular interior rearview memory mirror system according to Claim 14,  
wherein said reflective element comprises a prismatic reflective element.

23. The vehicular interior rearview memory mirror system according to Claim 14,  
wherein said reflective element comprises a variable reflectance element.

24. A vehicular interior rearview mirror assembly for a vehicle memory mirror  
system, said interior rearview mirror assembly comprising:

a body forming a mirror casing and a support for mounting said mirror  
assembly to a vehicle;

5 a reflective element; and

an electrical actuator supporting said reflective element in said mirror casing,  
said actuator providing adjustment of said reflective element in said mirror casing and,  
further, being mounted to said body whereby the weight of said actuator is directly  
distributed to the vehicle by said support to improve the vibration performance of said  
10 reflective element in said interior rearview mirror assembly.

25. The vehicular interior rearview mirror assembly according to Claim 24,  
wherein said body is adapted to mount to a vehicle windshield or a header.

26. The vehicular interior rearview mirror assembly according to Claim 24,  
wherein said body includes a first portion defining said mirror casing and a second portion  
forming said support for mounting said mirror assembly to a vehicle windshield.

27. The vehicular interior rearview mirror assembly according to Claim 26,  
wherein said support comprises a tubular member having an interior space for housing one or  
more electrical devices.

28. The vehicular interior rearview mirror assembly according to Claim 26, wherein said mirror casing includes upper and lower casing walls and a back casing wall, said actuator supported at said back casing wall.

29. The vehicular interior rearview mirror assembly according to Claim 28, wherein said actuator is mounted to said back casing wall.

30. The vehicular interior rearview mirror assembly according to Claim 26, wherein said second portion extends from said first portion.

31. The vehicular interior rearview mirror assembly according to Claim 24, wherein said actuator is coupled to at least one control module of the memory mirror system.

32. The vehicular interior rearview mirror assembly according to Claim 31, wherein said at least one control module comprises a mirror-based control module, said mirror-based control module supported by said mirror assembly.

33. The vehicular interior rearview mirror assembly according to Claim 32, wherein said mirror-based control module is coupled to a second control module, said second control module being located remotely from said interior rearview mirror assembly.

34. The vehicular interior rearview mirror assembly according to Claim 24, wherein said reflective element comprises a prismatic reflective element.

35. The vehicular interior rearview mirror assembly according to Claim 24, wherein said reflective element comprises a variable reflectance element.

36. A vehicular interior rearview mirror assembly for a vehicle memory mirror system, said interior rearview mirror assembly comprising:

a mirror casing, said mirror casing having a first cavity and a second cavity;

a reflective element supported in said first cavity;

a support adapted to mount said mirror casing to a vehicle; and

an electrical actuator housed in said second cavity and mounting said mirror casing to said support and providing adjustment of an orientation of said mirror casing and said reflective element about said support about at least one axis.

37. The vehicular interior rearview mirror assembly according to Claim 36, wherein said electrical actuator is mounted to said mirror casing.

38. The vehicular interior rearview mirror assembly according to Claim 36, wherein said support includes at least one ball mount to provide manual adjustment of said mirror casing about one or more axes.

39. The vehicular interior rearview mirror assembly according to Claim 36, wherein said casing includes an upper wall and a lower wall, said upper wall and said lower wall interconnected by an intermediate wall, said intermediate wall dividing said mirror casing into said first cavity and said second cavity.

40. The vehicular interior rearview mirror assembly according to Claim 39, wherein said reflective element is supported between said upper and lower walls.

41. The vehicular interior rearview mirror assembly according to Claim 40, wherein said reflective element is supported by said mirror casing.

42. A vehicle memory mirror system comprising:  
at least one exterior sideview mirror assembly, said sideview mirror assembly including a sideview mirror casing adapted to mount to a vehicle, a sideview reflective element, and a sideview electrical actuator for adjusting the position of said sideview reflective element in said sideview mirror casing about one or more axes;

an interior rearview mirror assembly including a rearview mirror casing, a rearview reflective element, a support for mounting said rearview mirror casing to a vehicle, and a rearview electrical actuator, said rearview electrical actuator adjusting the position of said mirror casing about one or more axes about said support to thereby adjust said rearward field of view of said reflective element; and

at least one control module in communication with said rearview electrical actuator and said sideview electrical actuator, said control module actuating said actuators to adjust the positions of said reflective elements in response to signals from at least one of (a) a mirror switch that is user operable to selectively position said reflective elements and (b) a memory set switch that is user operable to set memory positions for said reflective elements.

43. The memory mirror system according to Claim 42, wherein said rearview mirror casing includes a first compartment for supporting said rearview reflective element therein and a second compartment for housing said rearview electrical actuator.

44. The memory mirror system according to Claim 43, wherein said support extends into said second compartment.

45. The memory mirror system according to Claim 44, wherein said rearview electrical actuator is mounted to said rearview mirror casing in said second compartment.

46. The memory mirror system according to Claim 42, wherein said rearview reflective element comprises a prismatic reflective element.

47. The memory mirror system according to Claim 42, wherein said rearview reflective element comprises a variable reflectance element.